

PTO 1449				Page 1 of 6			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 3501.116		Serial No. 10/032,592	
Title: EFFICIENT SYNTHESIS OF PROTEIN-OLIGONUCLEOTIDE CONJUGATES				Applicant: Firdous Farooqui, <i>et al.</i>			
				Filing Date:		Group Am 1641	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
MFC	AA1	4,526,871	7/2/85	Avrameas, <i>et al.</i>	436	504	5/20/81
MFC	AB1	4,683,194	7/28/87	Saiki, <i>et al.</i>	436	6	3/28/85
MFC	AC1	4,683,202	7/28/87	Mullis	435	91	10/25/85
MFC	AD1	4,946,778	8/7/90	Ladner, <i>et al.</i>	435	69.6	1/19/89
MFC	AE1	5,270,184	12/14/93	Walker, <i>et al.</i>	435	91.2	11/19/91
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
	AL1	EP 641,351	10/23/96	EUROPEAN	C07H	15/26	No
	AM1	EP A 320,308	11/3/93	EUROPEAN	C12Q	1/68	No
	AN1	EP A 439,182	4/24/96	EUROPEAN	C12Q	1/68	No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AR1	Bhattacharyya S.P., <i>et al.</i> , "Structural analysis of DNA cleaved in vivo by bacteriophage T4 terminase," <i>Gene</i> 1994 Aug 19;146(1):67-72.					
	AS1	Brandtzaeg, 1973, "Conjugates of immunoglobulin G with different fluorochromes. I. Characterization by anionic-exchange chromatography," <i>Scand. J. Immunol.</i> 1973;2(3):273-90.					
	AT1	Chung E.L., "Chemoprevention of lung cancer by isothiocyanates and their conjugates in A/J mouse," <i>Exp. Lung Res.</i> 2001 Apr-May;27(3):319-30.					
	AR2	Ezaki, T. <i>et al.</i> , "Simple genetic method to identify viridans group streptococci by colorimetric dot hybridization and fluorometric hybridization in microdilution wells," <i>J. Clin. Microbiol.</i> 1988 Sep;26(9):1708-13.					
	AS2	Ghosh SS, <i>et al.</i> , "Use of maleimide-thiol coupling chemistry for efficient syntheses of oligonucleotide-enzyme conjugate hybridization probes," <i>Bioconjug. Chem.</i> 1990 Jan-Feb;1(1):71-6.					
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		Filing Date:	Group AA1641

U.S. PATENT DOCUMENTS

Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
MFC	AA2	5,316,906	5/31/94	Haugland, <i>et al.</i>	435	4	8/23/91
MFC	AB2	5,427,930	6/27/95	Birkenmeyer, <i>et al.</i>	435	91.52	6/28/91
MFC	AC2	5,443,986	8/22/95	Haughland, <i>et al.</i>	435	4	7/6/93
MFC	AD2	5,455,166	10/3/95	Walker	435	91.2	1/9/92
MFC	AE2	5,552,541	9/3/96	Adams	536	22.1	6/20/90

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		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No

OTHERS, including Author, Title, Date, Pertinent Pages, etc.

	AT2	Gupta R.K., <i>et al.</i> , "Adjuvants for human vaccines – current status, problems and future prospects," <i>Vaccine</i> 1995 Oct;13(14):1263-76.
	AR3	Hendrickson, R.E. <i>et al.</i> , <i>Nucl. Acids Res.</i> 23:522-529 (1994).
	AS3	Kohler, G. & Milstein, C., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> . 1975 Aug 7;256(5517):495-7.
	AT3	Kusunoki, S. <i>et al.</i> , "Application of colorimetric microdilution plate hybridization for rapid genetic identification of 22 Mycobacterium species," <i>J. Clin. Microbiol.</i> 1991 Aug;29(8):1596-603.
	AR4	Loken and Herzenberg, 1975, "Analysis of cell populations with a fluorescence-activated cell sorter," <i>Ann. N.Y. Acad. Sci.</i> 1975 Jun 30;254:163-71.

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				Filing Date:		Group AU 164	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
MEL	AA3	5,605,800	2/25/97	Kourilsky, <i>et al.</i>	435	6	6/6/95
MEL	AB3	5,648,213	7/15/97	Reddy, <i>et al.</i>	435	6	8/30/94
MEL	AC3	5,698,411	12/16/97	Lucas, <i>et al.</i>	435	29	5/18/95
MEL	AD3	5,733,733	3/31/98	Auerbach	435	6	2/1/96
MEL	AE3	5,854,033	12/29/98	Lizardi	435	91.2	11/21/95
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AS4	Martin R., <i>et al.</i> , "A highly sensitive, nonradioactive DNA labeling and detection system," 13: <i>Biotechniques</i> 1990 Dec;9(6):762-8).					
	AT4	Morrison, S. <i>et al.</i> , "Chimeric human antibody molecules: mouse antigen-binding domains with human constant region domains," <i>Proc. Natl. Acad. Sci. U S A</i> 1984 Nov;81(21):6851-5.					
	AR5	Oi, V. T. & Morrison, S. L., <i>BioTechniques</i> 4:214-221 (1986).					
	AS5	Riechmann, L. <i>et al.</i> , "Reshaping human antibodies for therapy," <i>Nature</i> 1988 Mar 24;332(6162):323-7.					
	AT5	Samoszuk, M.K., <i>et al.</i> , "A peroxide-generating immunoconjugate directed to eosinophil peroxidase is cytotoxic to Hodgkin's disease cells in vitro," <i>Antibody, Immunoconjugates Radiopharmaceuticals</i> 2(1), 37-45 (1989).					
	AR6	Tramontano, A. <i>et al.</i> , "Chemical reactivity at an antibody binding site elicited by mechanistic design of a synthetic antigen," <i>Proc. Natl. Acad. Sci. U S A</i> . 1986 Sep;83(18):6736-40.					
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		Filing Date:	Group AU 1641

U.S. PATENT DOCUMENTS

Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
<i>MCC</i>	AA4	5,876,928	3/2/99	Kourilsky, <i>et al.</i>	435	6	6/6/95
<i>MCC</i>	AB4	5,955,262	9/21/99	Kourilsky, <i>et al.</i>	435	6	9/8/92
<i>MCC</i>	AC4	5,976,822	11/2/99	Landrum, <i>et al.</i>	435	23	8/20/97
<i>MCC</i>	AD4	5,989,823	11/23/99	Jayasena, <i>et al.</i>	435	6	9/18/98
<i>MCC</i>	AE4	6,124,120	9/26/00	Lizardi	435	91.2	10/8/97

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No

OTHERS, including Author, Title, Date, Pertinent Pages, etc.

	AS6		Tyagi, <i>et al.</i> , "Molecular beacons: probes that fluoresce upon hybridization," <i>Nature Biotechnol.</i> 14(3):303-8 (1996).
	AT6		Wood, C. R. <i>et al.</i> , <i>Nature</i> 314:446-449(1985).
<i>Rajur et al.</i>	AR7		Yarmush, M.L. <i>et al.</i> , "Covalent protein-oligonucleotide conjugates for efficient delivery of antisense molecules," <i>Bioconjug Chem.</i> 1997 Nov-Dec;8(6):935-940 (1997).
	AS7		Zhang T.H., <i>et al.</i> , "Detection for anti-hantavirus IgM in patient serum with silver enhanced dot immunogold filtration assay," <i>Zhonghua Shi Yan He Lin Chuang Bing Du Xue Za Zhi</i> 2000 Sep;14(3):266-7.
	AT7		
	AR8		

Examiner:	Date Considered
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U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
JAA	AA5	6,143,495	11/7/00	Lizardi, <i>et al.</i>	435	6	11/21/96
WEC	AB5	6,180,338	1/30/01	Adams	435	6	5/27/93
WEC	AC5	6,197,513	3/6/01	Coull, <i>et al.</i>	435	6	2/10/99
WEC	AD5	6,207,368	3/27/01	Adams	435	6	10/21/94
WEC	AE5	6,218,152	4/17/01	Auerbach	435	91.2	11/9/98
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AS8						
	AT8						
	AR9						
	AS9						
	AT9						
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						A41641	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
MZE	AA6	6,251,621	6/26/01	Lawrence, <i>et al.</i>	435	18	3/17/95
MZE	AB6	6,261,808	7/17/01	Auerbach	435	91.1	9/8/00
MZE	AC6	6,090,552	7/18/00	Nazarenko, <i>et al.</i>	435	6	7/11/97
	AD6						
	AE6						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AR10						
	AS10						
	AT10						
	AR11						
	AS11						
Examiner: Mary E. Cooper				Date Considered 01/29/04			
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